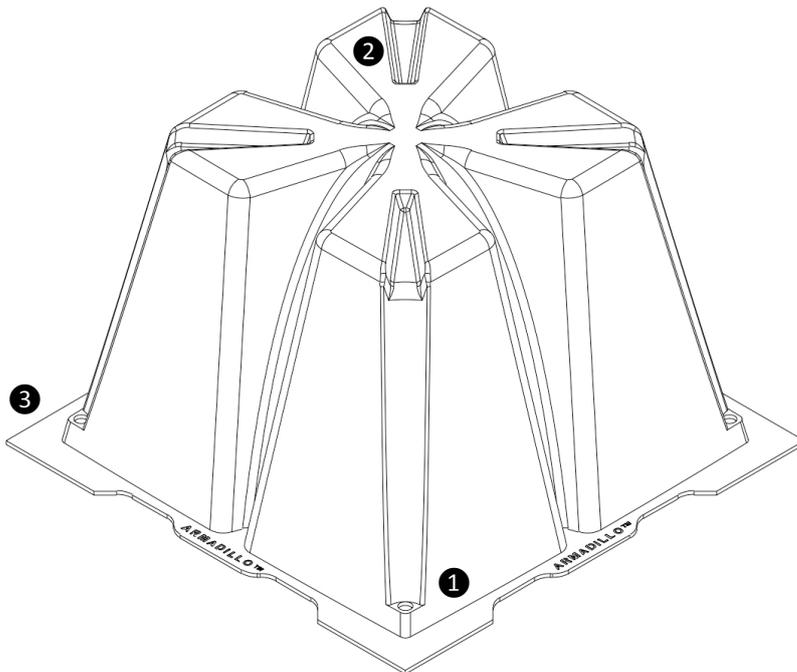


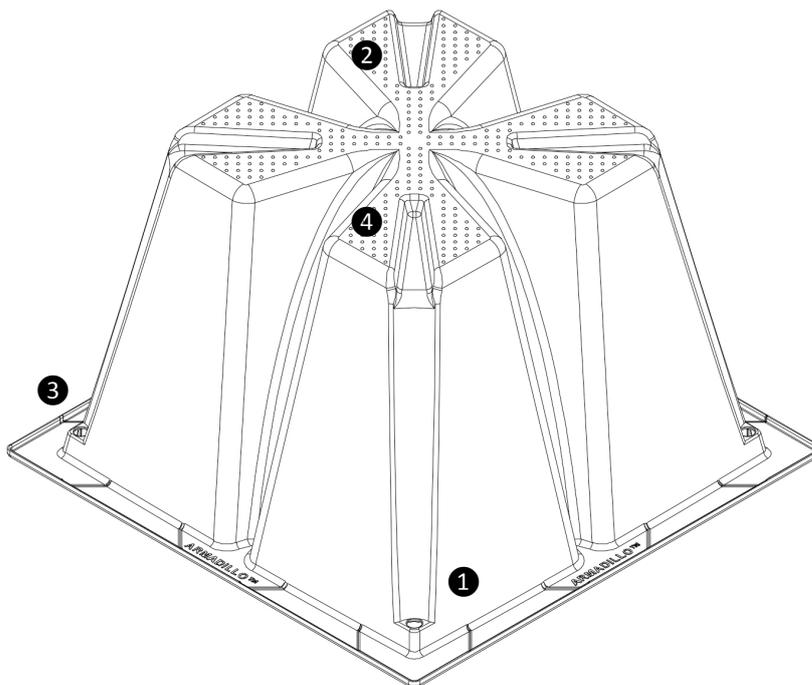
ARMADILLO™ pod 500

- ① Slot for the ARMADILLO™ Keystone
- ② Area to place steel mesh chairs
- ③ Spacing and stabilizing flaps
- ④ Antiskid Surface



ARMADILLO™ pod 500C

The ARMADILLO™ pod 500C is designed in New Zealand and manufactured in China



ARMADILLO™ pod 500P

The ARMADILLO™ pod 500P is designed in Italy and manufactured in China

ARMADILLO™ pods 500 are available in two materials: (500C version) High Strength Cardboard (HSC), a cardboard obtained from a high pressure mold by using only recycled paper and cardboard with natural resins and the (500P version) 10% fiber glass reinforced Polypropylene an engineered plastic obtained from recycled sources.

ARMADILLO™ pods 500 are placed directly on a DPM membrane on leveled ground and are arranged in such a way as to form a foundation with a grid of reinforced concrete ribs and edge beams when concrete is placed onto them.

The ARMADILLO™ pods 500 are used as void formers while the concrete is curing. Once the concrete cures, the pods do not add to the structural performance.

Thanks to their design ARMADILLO™ pods 500 can be simply placed side by side to provide the right structural pattern.

At the perimeter of the slab the pods have to be placed as per engineering details in order to provide the right space for the external footings.

ARMADILLO™ pods 500 can be easily stacked, handled and stored.

Compliance of the product to the Building Regulations

ARMADILLO™ pods 500 have been designed to bear the load of an operator (120 kg max) standing on top of them and to resist in wet conditions during the curing phase of the concrete.

ARMADILLO™ pods 500 are sacrificial formworks without any relevant performance once the concrete has cured, therefore, even though when placed in a dry and confined space the HSC is very durable, they don't need to comply with any requirements of durability.

Installation

ARMADILLO™ pods 500 have to be placed on a DPM membrane on levelled ground according to engineering drawing layout.

During the installation the operators (max weight 120 kg) can walk on top of the ARMADILLO™ pods 500.

After the set up the ARMADILLO™ pods 500C must to be protected with a water proof membrane (e.g. a polyethylene sheet) to avoid the pods beings exposed to rain if construction works is delayed.

In any case it is not recommended to place ARMADILLO™ pods 500C if there is a risk of heavy rain. If the ARMADILLO™ pods 500C do accidentally get wet because an unexpected circumstance they need to dry and be checked before as formwork.

The ARMADILLO™ pods 500C must be used together with the ARMADILLO™ Thermal bases.

The ARMADILLO™ pods 500P can be placed and used in any weather conditions, with or without thermal bases.

Once correctly placed the ARMADILLO™ pods 500 have to be interlocked with the ARMADILLO™ Keystones and before the pouring phase all the rebar (deformed steel and steel mesh) has to be set up according to the engineering plans.

The deformed steel bars of the internal ribs can be placed and retained (without tying them) by the ARMADILLO™ Keystones. The deformed steel bars of the external footings have to be placed and adequately tied by using conventional spacers and chairs as well as the steel mesh.

Thanks to their design the ARMADILLO™ 500 pods, once interlocked with the ARMADILLO™ Keystones and the rebar will not move or float during the pouring of the concrete. However, care must be taken to the whole structure evenly and avoid build-up of concrete in any part of the foundation. Please follow the specific pouring instructions in this manual.

Handling and Storage

Handling and storage on site is under the control of the installer.

The installer is responsible for checking the integrity of the product on receipt, and form then is responsible for maintaining it and avoiding shocks and stresses to the product.

Clean and dry storage out of direct sunlight must be provided for the product.

For further details please refer to the product Safety Data Sheet.

Technical data

Material = High Strength Cardboard (500C) / Fiberglass reinforced polypropylene (500P)

L x L x Height = 750 x 750 x 500 mm

Volume ≈ 150 l

Weight ≈ 5,0 kg (500C) ; 4,5 kg (500P)

Maximum weight on top (worker) = 120 kg

Consumption of concrete = 0,32 m³/m²

Number of pieces per pallet = 30 pcs.